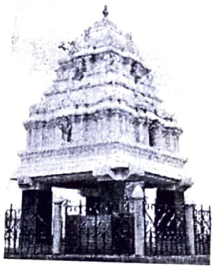
BRUHATH BANGALORE MAHANAGARA PALIKE



E-MB BOOK

1st and Final Bill

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DASARAHALLI DIVISION

Name of Work	Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division
Estimated Cost	45.00 Lakhs
P Code	P-3724
Job Code Number	013-20-000130
Administration Sanction Number	EE/DD/AS/14/2020-21, Date:22.04.2020
Technical Sanction Number	CE/DZ/TS/32/2020-21, Date:06.05.2020
Work Order Number	EE/DD/W.O/145/2020-21, Date:10.12.2020
Name of The Contractor	Sri. R Shivaram

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.								
	Desilt								
	Mallasandra								
	9th A Cross Road								
	RHS								
	From House No#24(Saptagiri Nivasa) to 8th C Cross Road (Mantapa Road)								
		1	30.00	-	-	0.60	0.50	9.00	
		1	20.00	-	-	0.60	0.45	5.40	
		1	2.80	-	-	0.60	0.50	0.84	
		1	17.00	-	-	0.60	0.50	5.10	
	LHS								
	From 8th A Cross Road to 8th B Cross Road								
		1	29.00	-	-	0.60	0.45		
	From 8th B Cross Road to 8th C Cross Road								
		1	26.00	-	-	0.60	0.45	7.02	
	For RCC Drain								
	Kalyana Nagara								
	7th Cross From 3rd Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	4.50	1.10	1.10	1.10	1.00	4.95	
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	4.50	1.10	1.10	1.10	1.00	4.95	
	Mallasandra								
	9th A Cross Road								
	From House #31 to 8th C Cross Road (Mantapa Road)								
	RHS								
		1	14.00	1.10	1.10	1.10	1.00	15.40	
	Shanthi Layout								
	3rd Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	6.00	1.10	1.10	1.10	1.00	6.60	
	RHS								
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	6.00	1.10	1.10	1.10	1.00	6.60	
	For RCC Culvert								
	Kalyana Nagara								
	3rd Main Road at 7th Cross	1	5.00	1.60	1.60	1.60	1.00	8.00	

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
For SSM Wall								
Near BBMP Office at Ashwath Katte								
	1	8.00	1.50	1.50	1.50	1.05	12.60	
For Asphalt Road								
For Road Cutting Portion								
Prashanth Nagara								
15th C Cross Road								
From 17th Cross to 15th Cross Road								
	2	30.00	1.20	1.20	1.20	0.25	18.00	
	2	30.00	1.20	1.25	1.23	0.25	18.38	
	2	30.00	1.25	1.25	1.25	0.25	18.75	
	2	30.00	1.25	1.35	1.30	0.25	19.50	
	2	11.50	1.35	1.20	1.28	0.25	7.33	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	2	30.00	1.30	1.25	1.28	0.25	19.13	
	2	19.00	1.25	1.20	1.23	0.25	11.64	
	2	18.70	1.20	0.95	1.08	0.25	10.05	
	2	18.00	0.95	1.10	1.03	0.25	9.23	
	2	30.00	1.10	0.90	1.00	0.25	15.00	
	2	30.00	0.90	1.20	1.05	0.25	15.75	
	2	17.60	1.20	1.20	1.20	0.25	10.56	
	2	17.40	1.20	1.10	1.15	0.25	10.01	
	2	29.20	1.10	1.10	1.10	0.25	16.06	
For CC Road								
Shanthi Layout								
3rd Cross Road(LHS) From Main road to Dead End								
	1	15.00	5.40	5.70	5.55	0.30	24.98	
	1	15.00	5.70	5.50	5.60	0.30	25.20	
	1	7.50	5.50	5.50	5.50	0.30	12.38	
Deductions	-3	0.30	0.20	0.20	0.20	0.30	-0.05	
Trees Area	-1	0.20	0.20	0.20	0.20	0.30	-0.01	
Electrical Pole						**Present Qty**	**547.55**	**Cum**

Contractor Representative

Assistant Engineer
Ward No.13
20/11/2021

Asst. Executive Engineer
Shettyhalli Sub division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For RCC Drain								
	Kalyana Nagara								
	7th Cross From 3rd Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	4.50	1.10	1.10	1.10	0.15	0.74	
	RHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	4.50	1.10	1.10	1.10	0.10	0.50	
	Mallasandra								
	9th A Cross Road								
	From House #31 to 8th C Cross Road (Mantapa Road)								
	RHS								
		1	14.00	1.10	1.10	1.10	0.15	2.31	
	Shanthi Layout								
	3rd Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	6.00	1.10	1.10	1.10	0.15	0.99	
	RHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	6.00	1.10	1.10	1.10	0.15	0.99	
	For RCC Culvert								
	Kalyana Nagara								
	3rd Main Road at 7th Cross	1	5.00	1.60	1.60	1.60	0.15	1.20	
	For SSM Wall								
	Near BBMP Office at Ashwath Katte								
		1	8.00	1.50	1.50	1.50	0.15	1.80	
	For CC Road								
	Shanthi Layout								
	3rd Cross Road(LHS) From Main road to Dead End								
		1	15.00	5.40	5.70	5.55	0.15	12.49	

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	1	15.00	5.70	5.50	5.60	0.15	12.60	
	1	7.50	5.50	5.50	5.50	0.15	6.19	
Deductions								
Trees Area	-3	0.30	0.20	0.20	0.20	0.15	-0.03	
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.15	-0.01	
						Present Qty	69.47	Cum

tractor Representative

Assistant Engineer 02/12/2021
Ward No.13

Asst. Executive Engineer 02.12.21
Shettyhalli Sub division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

e of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Detailed Measurements

Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm								
For Bottom Raft								
For RCC Drain								
Kalyana Nagara								
7th Cross From 3rd Main Road to Dead End								
LHS								
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	4.50	0.90	0.15	0.15	0.15	0.61	
RHS								
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	4.50	0.90	0.15	0.15	0.15	0.61	
Mallasandra								
9th A Cross Road								
From House #31 to 8th C Cross Road (Mantapa Road)								
RHS								
	1	14.00	0.90	0.15	0.15	0.15	1.89	
Shanthi Layout								
3rd Cross Road From Main Road to Dead End								
LHS								
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	6.00	0.90	0.15	0.15	0.15	0.81	
RHS								
	1	30.00	0.90	0.15	0.15	0.15	4.05	
	1	6.00	0.90	0.15	0.15	0.15	0.81	
For RCC Culvert								
Kalyana Nagara								
3rd Main Road at 7th Cross	1	5.00	1.40	0.25	0.25	0.25	1.75	
For RCC Side Walls								
For RCC Drain								
Kalyana Nagara								

E.E. (D.D.)

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬೆಂಗಳೂರು

Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
7th Cross From 3rd Main Road to Dead End								
LHS								
	2	30.00	0.15	0.60	0.60	0.60	5.40	
	2	30.00	0.15	0.60	0.55	0.58	5.18	
	2	4.50	0.15	0.55	0.45	0.50	0.68	
RHS								
	2	30.00	0.15	0.60	0.60	0.60	5.40	
	2	30.00	0.15	0.60	0.55	0.58	5.18	
	2	4.50	0.15	0.55	0.45	0.50	0.68	
Mallasandra								
9th A Cross Road								
From House #31 to 8th C Cross Road (Mantapa Road)								
RHS								
	2	14.00	0.15	0.60	0.60	0.60	2.52	
Shanthi Layout								
3rd Cross Road From Main Road to Dead End								
LHS								
	2	30.00	0.15	0.60	0.60	0.60	5.40	
	2	6.00	0.15	0.60	0.53	0.57	1.02	
RHS								
	2	30.00	0.15	0.60	0.60	0.60	5.40	
	2	6.00	0.15	0.60	0.53	0.57	1.02	
For RCC Culvert								
Kalyana Nagara								
3rd Main Road at 7th Cross	2	5.00	0.30	0.60	0.60	0.60	1.80	
Concrete For Bed Protection(Vent Portion)								
Mallasandra								
9th A Cross Road								
RHS								
From House No#24(Saptagiri Nivasa) to 8th C Cross Road (Mantapa Road)								
	1	30.00	0.60	0.10	0.10	0.10	1.80	
	1	20.00	0.60	0.10	0.10	0.10	1.20	
	1	2.80	0.60	0.10	0.10	0.10	0.17	
	1	17.00	0.60	0.10	0.10	0.10	1.02	
LHS								
From 8th A Cross Road to 8th B Cross Road	1	29.00	0.60	0.10	0.10	0.10	1.74	
From 8th B Cross Road to 8th C Cross Road	1	26.00	0.60	0.10	0.10	0.10	1.56	
Coping For Existing Side Walls								
Mallasandra								

E.E. (D.D.)
E.E. (D.D.)

Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
9th A Cross Road								
RHS								
From House No#24(Saptagiri Nivasa) to 8th C Cross Road (Mantapa Road)								
	2	30.00	0.15	0.20	0.20	0.20	1.80	
	2	20.00	0.15	0.20	0.20	0.20	1.20	
	2	2.80	0.15	0.20	0.20	0.20	0.17	
	2	17.00	0.15	0.20	0.20	0.20	1.02	
LHS								
From 8th A Cross Road to 8th B Cross Road								
	2	29.00	0.15	0.20	0.20	0.20	1.74	
From 8th B Cross Road to 8th C Cross Road								
	2	26.00	0.15	0.20	0.20	0.20	1.56	
						Present Qty	**85.41**	**Cum**

E.E. (D.D.)

ontractor Representative

Assistant Engineer
Ward No.13
14/03/2022

Asst. Executive Engineer 14/3/22
Shettyhalli Sub division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No of Bars	Cutting Length of Bar	Weight /m in Kgs	Qty	Unit
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3- TMT Bars Fe 500					
For RCC Drain					
Kalyana Nagara					
7th Cross					
LHS					
Total Drain length=64.50 Mtr					
Main bar 10mm dia bar @ 125mm c/c					
0.62kg/mtr	530	2.10	0.62	690.06	
Distribution bar 8mm dia @ 125mm c/c					
0.40kg/mtr	18	64.50	0.40	464.40	
RHS					
Total Drain length=64.50 Mtr					
Main bar 10mm dia bar @ 125mm c/c					
0.62kg/mtr	520	2.10	0.62	677.04	
Distribution bar 8mm dia @ 125mm c/c					
0.40kg/mtr	18	64.50	0.40	464.40	
Mallasandra					
9th A Cross Road					
RHS					
Total Drain length=14.00 Mtr					
Main bar 10mm dia bar @ 125mm c/c					
0.62kg/mtr	113	2.10	0.62	147.13	
Distribution bar 10mm dia @ 125mm c/c					
0.40kg/mtr	18	14.00	0.62	156.24	
Shanthi Layout					
3rd Cross					
LHS					
Total Drain length=36.00 Mtr					
Main bar 10mm dia bar @ 125mm c/c					
0.62kg/mtr	290	2.10	0.62	377.58	

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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Discription of Item	No of Bars	Cutting Length of Bar	Weight /m in Kgs	Qty	Unit
istribution bar 8mm dia @ 125mm c/c					
.40kg/mtr	18	36.00	0.40	259.20	
RHS					
otal Drain length=36.00 Mtr					
Main bar 10mm dia bar @ 125mm c/c					
.62kg/mtr					
	290	2.10	0.62	377.58	
Distribution bar 8mm dia @ 125mm c/c					
0.40kg/mtr	18	36.00	0.40	259.20	
For RCC Culvert					
Culvert @ 7th cross					
Total Drain length=5.00m					
Main bar 12mm dia bar @ 150mm c/c					
0.89kg/mtr Top	42	2.40	0.89	89.71	
Bottom	42	2.40	0.89	89.71	
Distribution bar 10mm dia @ 150mm c/c					
0.62kg/mtr Top	22	5.00	0.62	68.20	
Bottom	22	5.00	0.62	68.20	
			Present Qty	**4188.65**	**Kg**
			Present Qty	**4.19**	**Tonne**

tractor Representative

Assistant Engineer 13/12/2021
Ward No.13

Asst. Executive Engineer 13/12/21
Shettyhalli Sub division
ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road lyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)						
	For RCC Drain						
	Kalyana Nagara						
	7th Cross From 3rd Main Road to Dead End						
	LHS						
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	4.50	0.90		4.05	
	RHS						
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	4.50	0.90		4.05	
	Mallasandra						
	9th A Cross Road						
	From House #31 to 8th C Cross Road (Mantapa Road)						
	RHS						
		1	14.00	0.90		12.60	
	Shanthi Layout						
	3rd Cross Road From Main Road to Dead End						
	LHS						
		1	30.00	0.90		27.00	
		1	6.00	0.90		5.40	
	RHS						
		1	30.00	0.90		27.00	
		1	6.00	0.90		5.40	
	Missing Slabs						
	Mallasandra						
	9th A Cross Road						
	RHS						
	From House No#24(Saptagiri Nivasa) to 8th C Cross Road (Mantapa Road)						
		1	30.00	0.90		27.00	
		1	20.00	0.90		18.00	
		1	2.80	0.90		2.52	

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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	1	17.00	0.90		15.30	
LHS						
From 8th A Cross Road to 8th B Cross Road						
	1	29.00	0.90		26.10	
From 8th B Cross Road to 8th C Cross Road						
	1	26.00	0.90		23.40	
				Present Qty	**305.10**	**Sqm**
				Qty Upto 125%	**180.00**	**Sqm**
				Qty Above 125%	**125.10**	**Sqm**

ntractor Representative

E.E. (D.D.)

15/03/2022

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division
15/03/22

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana gara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
For SSM Wall								
Near BBMP Office at Ashwath Katte								
Below GL	1	8.00	1.30	1.30	1.30	0.90	9.36	
Above GL								
Length=1.00 Mtr								
1st Step	1	1.00	0.75	0.75	0.75	1.00	0.75	
2nd Step	1	1.00	0.60	0.60	0.60	1.00	0.60	
Length=8.00 Mtr								
1st Step	1	8.00	1.00	1.00	1.00	1.20	9.60	
2nd Step	1	8.00	0.75	0.75	0.75	1.00	6.00	
3rd Step	1	8.00	0.60	0.60	0.60	1.00	4.80	
						Present Qty	**31.11**	**Cum**

E.E. (D.D.)

Contractor Representative

2/12/2021

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division
02/12/21

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:3 (P.No-255,I No-27.34.13.1 PWD 2018-19)						
	For SSM Wall						
	Near BBMP Office at Ashwath Katte						
	Above GL						
	Length=1.00 Mtr						
	1st Step	2	1.00		1.00	2.00	
	2nd Step	2	1.00		1.00	2.00	
	Length=8.00 Mtr						
	1st Step	2	8.00		1.20	19.20	
	2nd Step	2	8.00		1.00	16.00	
	3rd Step	2	8.00		1.00	16.00	
					Present Qty	**55.20**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.13
03/12/2021

Asst. Executive Engineer
Shettyhalli Sub division
03/12/21

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ame of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

m	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3								
	For Asphalt Road								
	For Road Cutting Portion								
	Prashanth Nagara								
	15th C Cross Road								
	From 17th Cross to 15th Cross Road								
		2	30.00	1.20	1.20	1.20		72.00	
		2	30.00	1.20	1.25	1.23		73.50	
		2	30.00	1.25	1.25	1.25		75.00	
		2	30.00	1.25	1.35	1.30		78.00	
		2	11.50	1.35	1.20	1.28		29.33	
	Kalyan Nagara								
	7th Cross Guruji Road								
	From Pipe line Road to 3rd Cross Road								
		2	30.00	1.30	1.25	1.28		76.50	
		2	19.00	1.25	1.20	1.23		46.55	
		2	18.70	1.20	0.95	1.08		40.21	
		2	18.00	0.95	1.10	1.03		36.00	
		2	30.00	1.10	0.90	1.00		60.00	
		2	30.00	0.90	1.20	1.05		63.00	
		2	17.60	1.20	1.20	1.20		42.24	
		2	17.40	1.20	1.05	1.13		39.15	
		2	29.20	1.05	1.10	1.08		62.78	
							Present Qty	**795.15**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.13
24/01/2022

Asst. Executive Engineer
Shettyhalli Sub division
24/01/22
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

me of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202								
For CC Road								
Shanthi Layout								
3rd Cross Road(LHS) From Main road to Dead End								
	1	15.00	5.40	5.70	5.55	0.15	12.49	
	1	15.00	5.70	5.50	5.60	0.15	12.60	
	1	7.50	5.50	5.50	5.50	0.15	6.19	
Deductions								
Trees Area	-3	0.30	0.20	0.20	0.20	0.15	-0.03	
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.15	-0.01	
						Present Qty	31.25	Cum

ntractor Representative

Assistant Engineer
Ward No.13
01/03/2022

Asst. Executive Engineer
Shettyhalli Sub division
01/03/22

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ame of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

m o	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
0	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	For Asphalt Road								
	For Road Cutting Portion								
	Prashanth Nagara								
	15th C Cross Road								
	From 17th Cross to 15th Cross Road								
		2	30.00	1.20	1.20	1.20		72.00	
		2	30.00	1.20	1.25	1.23		73.50	
		2	30.00	1.25	1.25	1.25		75.00	
		2	30.00	1.25	1.35	1.30		78.00	
		2	11.50	1.35	1.20	1.28		29.33	
	Kalyan Nagara								
	7th Cross Guruji Road								
	From Pipe line Road to 3rd Cross Road								
		2	30.00	1.30	1.25	1.28		76.50	
		2	19.00	1.25	1.20	1.23		46.55	
		2	18.70	1.20	0.95	1.08		40.21	
		2	18.00	0.95	1.10	1.03		36.90	
		2	30.00	1.10	0.90	1.00		60.00	
		2	30.00	0.90	1.20	1.05		63.00	
		2	17.60	1.20	1.20	1.20		42.24	
		2	17.40	1.20	1.10	1.15		40.02	
		2	29.20	1.10	1.10	1.10		64.24	
	For CC Road								
	Shanthi Layout								
	3rd Cross Road(LHS) From Main road to Dead End								
		1	15.00	5.40	5.70	5.55		83.25	
		1	15.00	5.70	5.50	5.60		84.00	
		1	7.50	5.50	5.50	5.50		41.25	
	Deductions								
	Trees Area	-3	0.30	0.20	0.20	0.20		-0.18	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
							Present Qty	1005.76	Sqm

Contractor Representative

31/01/2022

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division

31/01/22

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406								
For Asphalt Road								
For Road Cutting Portion								
Prashanth Nagara								
15th C Cross Road								
From 17th Cross to 15th Cross Road								
	2	30.00	1.20	1.20	1.20	0.25	18.00	
	2	30.00	1.20	1.25	1.23	0.25	18.38	
	2	30.00	1.25	1.25	1.25	0.25	18.75	
	2	30.00	1.25	1.35	1.30	0.25	19.50	
	2	11.50	1.35	1.20	1.28	0.25	7.33	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	2	30.00	1.30	1.25	1.28	0.25	19.13	
	2	19.00	1.25	1.20	1.23	0.25	11.64	
	2	18.70	1.20	0.95	1.08	0.25	10.05	
	2	18.00	0.95	1.10	1.03	0.25	9.23	
	2	30.00	1.10	0.90	1.00	0.25	15.00	
	2	30.00	0.90	1.20	1.05	0.25	15.75	
	2	17.60	1.20	1.20	1.20	0.25	10.56	
	2	17.40	1.20	1.10	1.15	0.25	10.01	
	2	29.20	1.10	1.10	1.10	0.25	16.06	
For CC Road								
Shanthi Layout								
3rd Cross Road(LHS) From Main road to Dead End								
	1	15.00	5.40	5.70	5.55	0.15	12.49	
	1	15.00	5.70	5.50	5.60	0.15	12.60	
	1	7.50	5.50	5.50	5.50	0.15	6.19	
Deductions								
Trees Area	-3	0.30	0.20	0.20	0.20	0.15	-0.03	
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.15	-0.01	
						Present Qty	**230.62**	**Cum**

Contractor Representative

Assistant Engineer
Ward No.13
31/01/2022

Asst. Executive Engineer
Shettyhalli Sub division
31.01.2022
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ame of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana gara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH								
For Asphalt Road								
For Road Cutting Portion								
Prashanth Nagara								
15th C Cross Road								
From 14th Cross to 15th Cross Road								
	2	30.00	1.20	1.20	1.20		72.00	
	2	30.00	1.20	1.25	1.23		73.50	
	2	30.00	1.25	1.25	1.25		75.00	
	2	30.00	1.25	1.35	1.30		78.00	
	2	11.50	1.35	1.20	1.28		29.33	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	2	30.00	1.30	1.25	1.28		76.50	
	2	19.00	1.25	1.20	1.23		46.58	
	2	18.70	1.20	0.95	1.08		40.21	
	2	18.00	0.95	1.10	1.03		36.90	
	2	30.00	1.10	0.90	1.00		60.00	
	2	30.00	0.90	1.20	1.05		63.00	
	2	17.60	1.20	1.20	1.20		42.24	
	2	17.40	1.20	1.05	1.13		39.15	
	2	29.20	1.05	1.10	1.08		62.78	
						Present Qty	**795.15**	**Sqm**

C. Roof

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Contractor Representative

Assistant Engineer
Ward No.13

31/01/2022

Asst. Executive Engineer 31/01/22
Shettyhalli Sub division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

me of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
For Asphalt Road								
For Road Cutting Portion								
Prashanth Nagara								
15th C Cross Road								
From 17th Cross to 15th Cross Road								
	2	30.00	1.20	1.20	1.20	0.05	3.60	
	1	30.00	4.70	4.70	4.70	0.05	7.05	
	2	30.00	1.25	1.25	1.25	0.05	3.75	
	1	30.00	5.00	5.00	5.00	0.05	7.50	
	2	11.50	1.20	1.20	1.20	0.05	1.38	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	2	30.00	1.30	1.25	1.28	0.05	3.83	
	2	19.00	1.25	1.20	1.23	0.05	2.33	
	1	18.70	3.60	2.90	3.25	0.05	3.03	
	2	18.00	0.95	1.10	1.03	0.05	1.85	
	1	30.00	4.10	3.40	3.75	0.05	5.63	
	2	30.00	1.20	1.20	1.20	0.05	3.60	
	2	17.60	1.20	1.20	1.20	0.05	2.11	
	1	17.40	3.10	4.10	3.60	0.05	3.13	
	2	29.20	1.10	1.10	1.10	0.05	3.21	
						Present Qty	**51.98**	**Cum**

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Contractor Representative

02/02/2022

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division
02/02/22

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501								
For Asphalt Road								
Prashanth Nagara								
15th C Cross Road								
From 17th Cross to 15th Cross Road								
	1	30.00	5.00	5.90	5.45		163.50	
	1	30.00	5.90	6.00	5.95		178.50	
	1	30.00	6.00	5.00	5.50		165.00	
	1	30.00	5.00	5.00	5.00		150.00	
	1	11.50	5.00	5.00	5.00		57.50	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	1	30.00	6.70	5.50	6.10		183.00	
	1	19.00	5.50	5.00	5.25		99.75	
	1	18.70	3.60	2.90	3.25		60.78	
	1	18.00	6.30	4.60	5.45		98.10	
	1	30.00	4.10	3.40	3.75		112.50	
	1	30.00	3.40	4.90	4.15		124.50	
	1	17.60	4.90	4.60	4.75		83.60	
	1	17.40	3.10	4.10	3.60		62.64	
	1	29.20	4.70	4.20	4.45		129.94	
Deductions								
Prashanth Nagara								
15th C Cross Road								
Ramp	-1	12.00	0.90	0.75	0.83		-9.90	
	-1	3.00	0.60	0.60	0.60		-1.80	
	-1	6.70	0.90	0.90	0.90		-6.03	
Man Holes	-4	(3.142*0.9*0.9)/4					-2.56	
Kalyan Nagara								
7th Cross Gurujji Road								
Ramp	-1	3.80	0.60	0.60	0.60		-2.28	
	-1	3.70	0.40	0.40	0.40		-1.48	
Chamber	-2	0.90	0.75	0.75	0.75		-1.35	
	-1	0.90	1.00	1.00	1.00		-0.90	
Electrical Pole	-2	0.25	0.25	0.25	0.25		-0.13	
Trees Area	-3	0.45	0.45	0.45	0.45		-0.61	
Man Holes	-5	(3.142*0.9*0.9)/4					-3.20	
						Present Qty	**1639.08**	**Sqm**

Contractor Representative

02/02/2022

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division
02.02.22

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

me of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Pre Measurements

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH								
For Asphalt Road								
Prashanth Nagara								
15th C Cross Road								
From 17th Cross to 15th Cross Road								
	1	30.00	5.00	5.90	5.45		163.50	
	1	30.00	5.90	6.00	5.95		178.50	
	1	30.00	6.00	5.00	5.50		165.00	
	1	30.00	5.00	5.00	5.00		150.00	
	1	11.50	5.00	5.00	5.00		57.50	
Kalyan Nagara								
7th Cross Guruji Road								
From Pipe line Road to 3rd Cross Road								
	1	30.00	6.70	5.50	6.10		183.00	
	1	19.00	5.50	5.00	5.25		99.75	
	1	18.70	3.60	2.90	3.25		60.78	
	1	18.00	6.30	4.60	5.45		98.10	
	1	30.00	4.10	3.40	3.75		112.50	
	1	30.00	3.40	4.90	4.15		124.50	
	1	17.60	4.90	4.60	4.75		83.60	
	1	17.40	3.10	4.10	3.60		62.64	
	1	29.20	4.70	4.20	4.45		129.94	
Deductions								
Prashanth Nagara								
15th C Cross Road								
Ramp	-1	12.00	0.90	0.75	0.83		-9.90	
	-1	3.00	0.60	0.60	0.60		-1.80	
	-1	6.70	0.90	0.90	0.90		-6.03	
	-4	(3.142*0.9*0.9)/4					-2.56	
Man Holes								
Kalyan Nagara								
7th Cross Gurujji Road								
Ramp	-1	3.80	0.60	0.60	0.60		-2.28	
	-1	3.70	0.40	0.40	0.40		-1.48	
	-2	0.90	0.75	0.75	0.75		-1.35	
Chamber	-1	0.90	1.00	1.00	1.00		-0.90	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಚಿಕ್ಕಗುಬ್ಬಿ

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
Electrical Pole	-2	0.25	0.25	0.25	0.25		-0.13	
Trees Area	-3	0.46	0.45	0.45	0.45		-0.61	
Man Holes	-5	(3.142*0.9*0.9)/4					-3.20	
						Present Qty	1639.08	Sqm

ntractor Representative

02/02/2022

Assistant Engineer
Ward No.13

Asst. Executive Engineer 02/02/22
Shettyhalli Sub division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Detailed Measurements

m o	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
E3	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface: Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC: 35. The finished surface to be level, uniform and free from streaks and holes complete with all lead and lift and as per direction of engineer incharge of work								
	For Asphalt Road								
	Prashanth Nagara								
	15th C Cross Road								
	From 17th Cross to 15th Cross Road								
		2	30.00	0.10	0.10	0.10		6.00	
		2	30.00	0.10	0.10	0.10		6.00	
		2	30.00	0.10	0.10	0.10		6.00	
		2	30.00	0.10	0.10	0.10		6.00	
		2	11.50	0.10	0.10	0.10		2.30	
	Kalyan Nagara								
	7th Cross Guruji Road								
	From Pipe line Road to 3rd Cross Road								
		2	30.00	0.10	0.10	0.10		6.00	
		2	19.00	0.10	0.10	0.10		3.80	
		2	18.70	0.10	0.10	0.10		3.66	
		2	18.00	0.10	0.10	0.10		3.60	
		2	30.00	0.10	0.10	0.10		6.00	
		2	30.00	0.10	0.10	0.10		6.00	
		2	17.60	0.10	0.10	0.10		3.52	
		2	17.40	0.10	0.10	0.10		3.48	
		2	29.20	0.10	0.10	0.10		5.84	
							Present Qty	**68.20**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.13

04/02/2022

Asst. Executive Engineer
Shettyhalli Sub division

ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಾಲಮಂಗಲ, ದೊಡ್ಡಬಳ್ಳಾಪುರ